

Application Center for Materials Engineering

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The center provides engineering services to industrial clients in materials design and selection.

Background

ACME is an important resource in Utah for technical knowledge and capability in the areas of plastics, composite materials and recently, metallurgy. ACME assists existing and start-up companies and also conceives, invents, develops, and spins off into commercial enterprises new or enhanced products.

Technology Development Progress

The center has patented the following technologies: (1) cure and contamination sensing devices, which allow for low cost detection of the physical or chemical changes in non-conducting fluids, e.g. resins, oils transformer fluids etc.; (2) damping of composites through unique orientation of fibers; (3) improvement of fiber binding on thermoplastic composites; (4) forming technique for large thermoplastic composites.

Highlights and Accomplishments

Since its inception in 1990, the center has assisted 164 companies, and provided services to launch a total of 50 companies. ACME continues to provide services to Utah's small businesses and manufacturing firms by coordinating a network of experts in the areas of advanced materials, using resources at the University of Utah, Brigham Young University and the Utah Manufacturing Extension Partnership. The center has graduated.



Summary Data:

Current

1996-97 Award	\$125,000
Matching Funds	\$867,000
Patents Pending	1
Patents Issued	4
License Agreements	4
Spin-off Companies	0
Companies Assisted	164
Industry Jobs	0
Center Jobs	29

Cumulative

Awards	\$865,000
Matching Funds	\$6,348,728
Patents Issued	4
License Agreements	4
Spin-off Companies	46

Services were provided to new companies being launched